



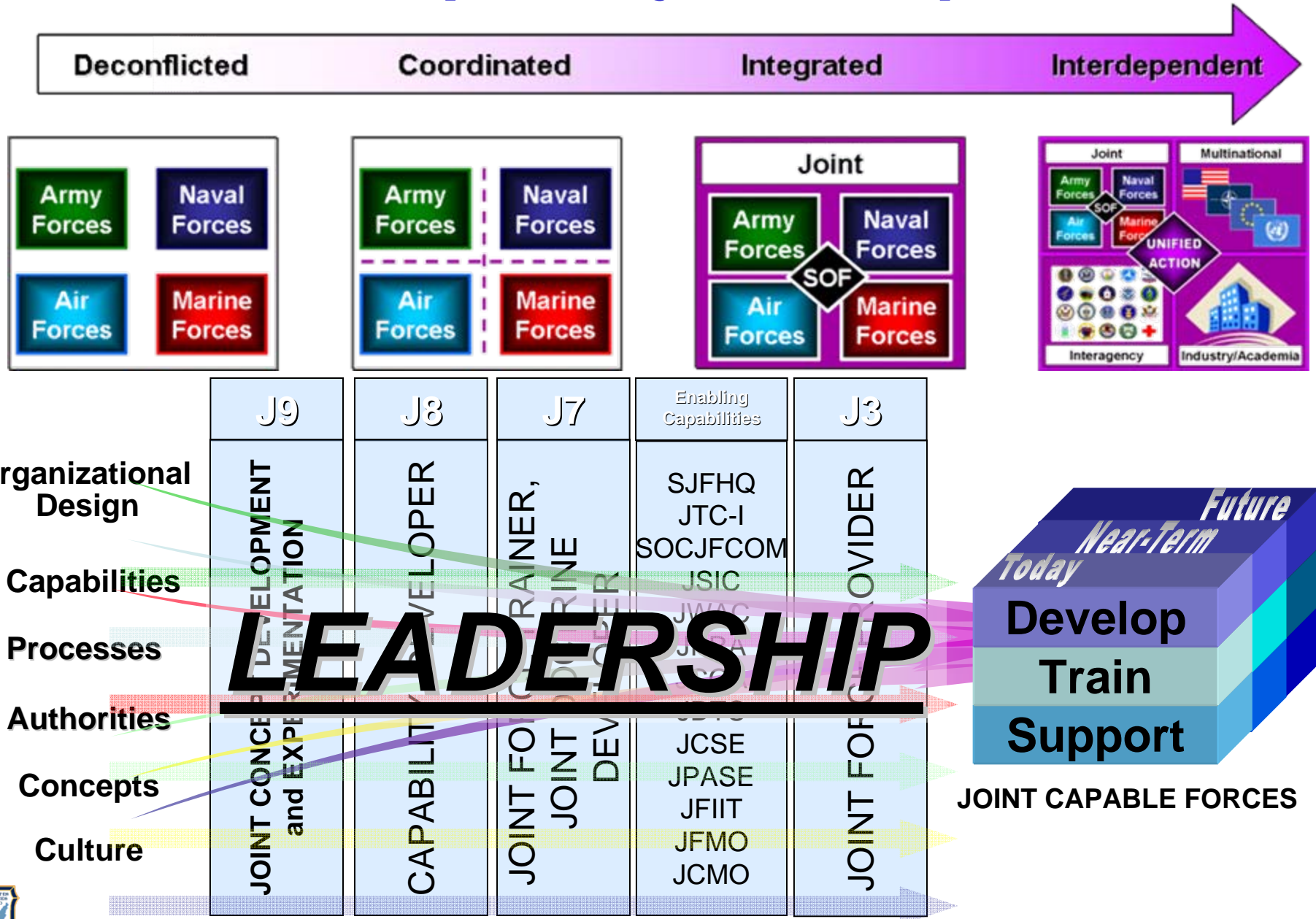
DoD Modeling & Simulation Conference

Modeling & Simulation (M&S) Activities Way Forward

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Joint Capability Development



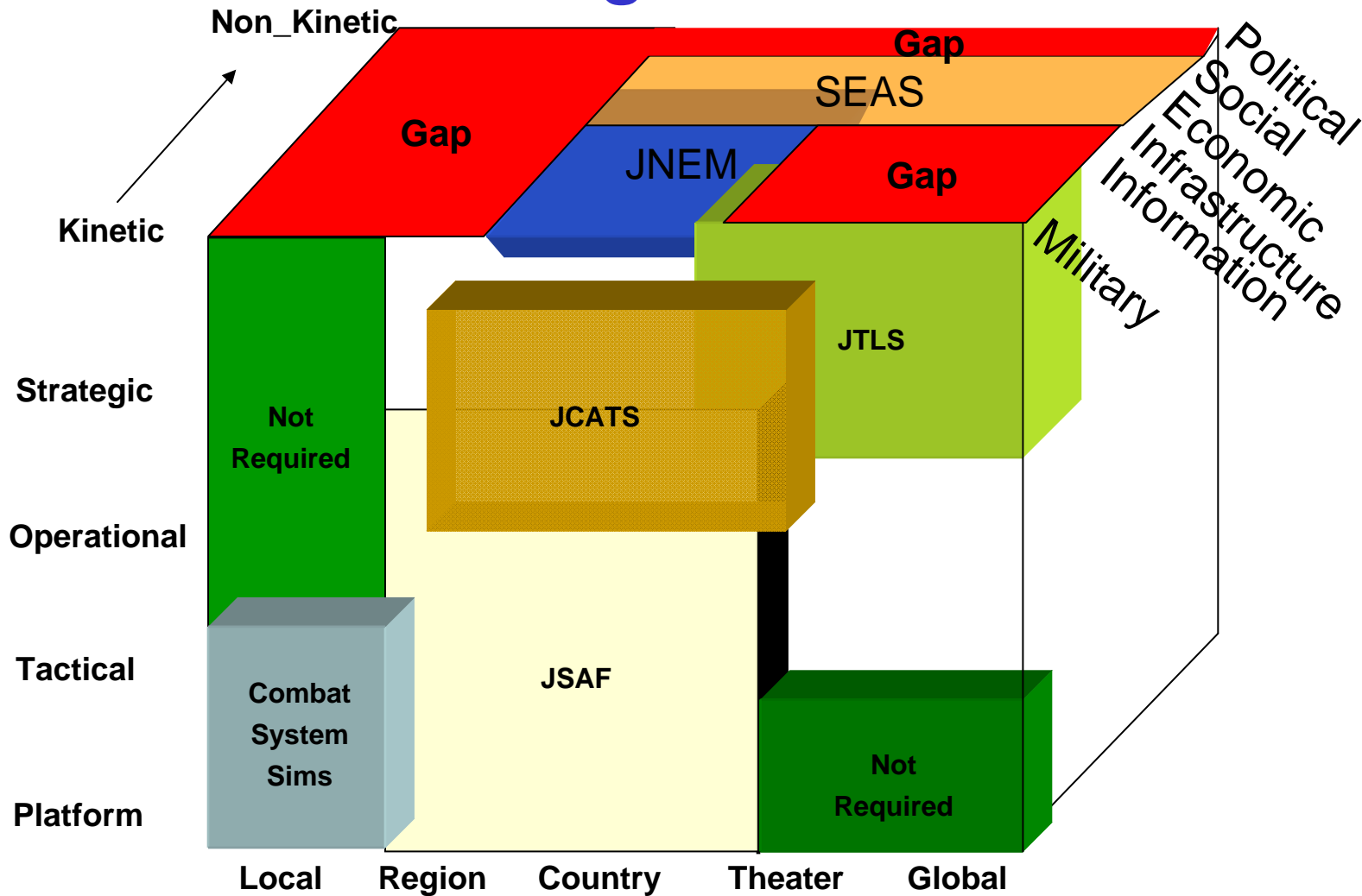
Military Problem

- ✓ M&S not keeping pace with complexity of operations, e.g., Irregular Warfare, to experiment, test and train
- ✓ Need tools to better understand the non-kinetic battle space
- ✓ Inability to rapidly, accurately & realistically simulate “real world” environment
- ✓ M&S activities not configured to enable efficient support for USJFCOM overall mission

***We are only Evolving our simulation capability
while the world is transforming***



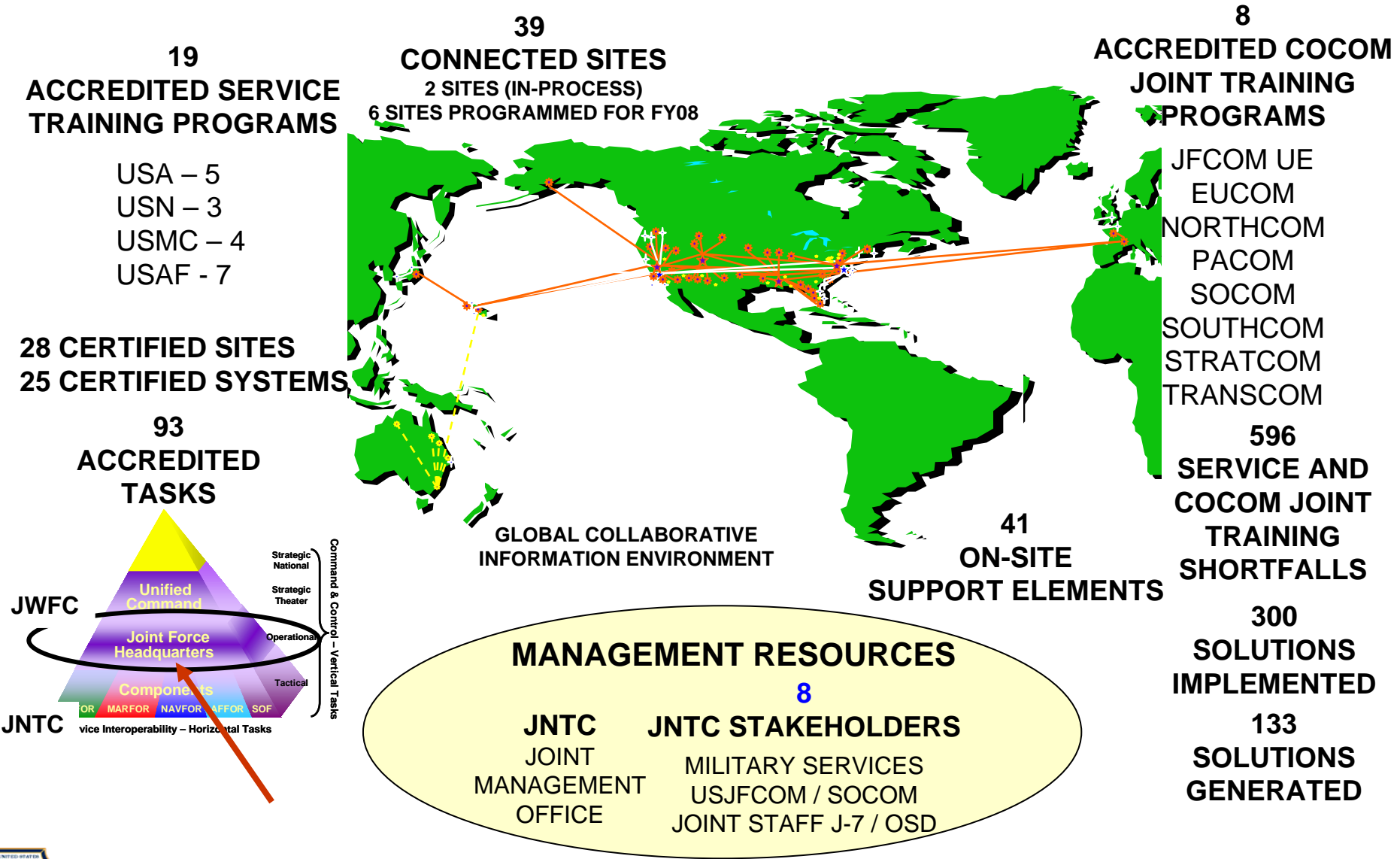
Complexity of Managing Joint Modeling and Simulation



Current Gaps, Duplicity, & Lifecycle Issues

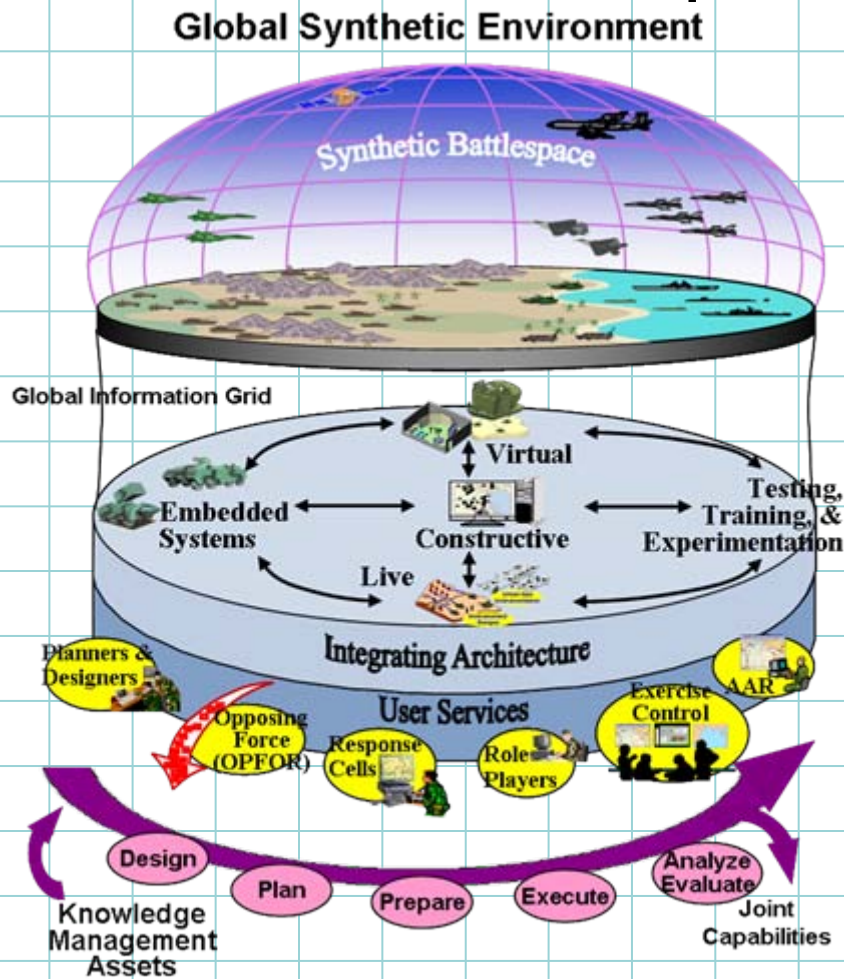


Joint Training Enterprise



Vision Statement

USJFCOM will lead the Department of Defense in efficiently and effectively implementing a Global Synthetic Environment solution that enables Joint Capability Development.



The Global Synthetic Environment

- ✓ A persistent, globally distributed, multi-faceted, synthetic environment
- ✓ Accurate, realistic, and re-usable representations
- ✓ LVC data, architecture and standards
- ✓ Adaptable to changes within today's battlespace
- ✓ Integrated with Joint Knowledge Online
- ✓ Operational systems enabled

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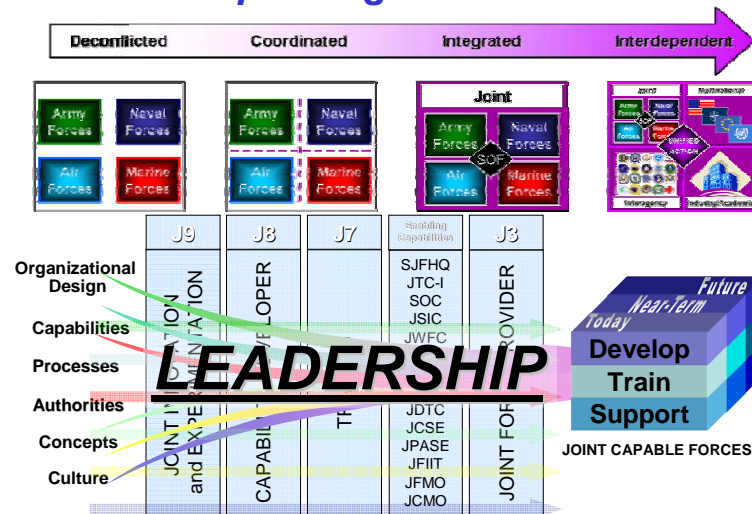


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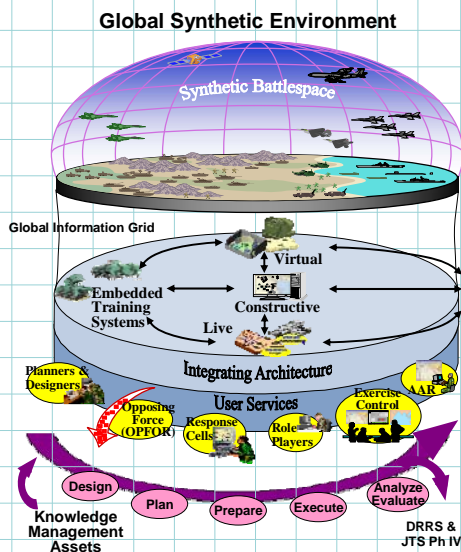
Leading Transformation

Enabling Joint Warfighting Capability Development

Accomplishing Transformation



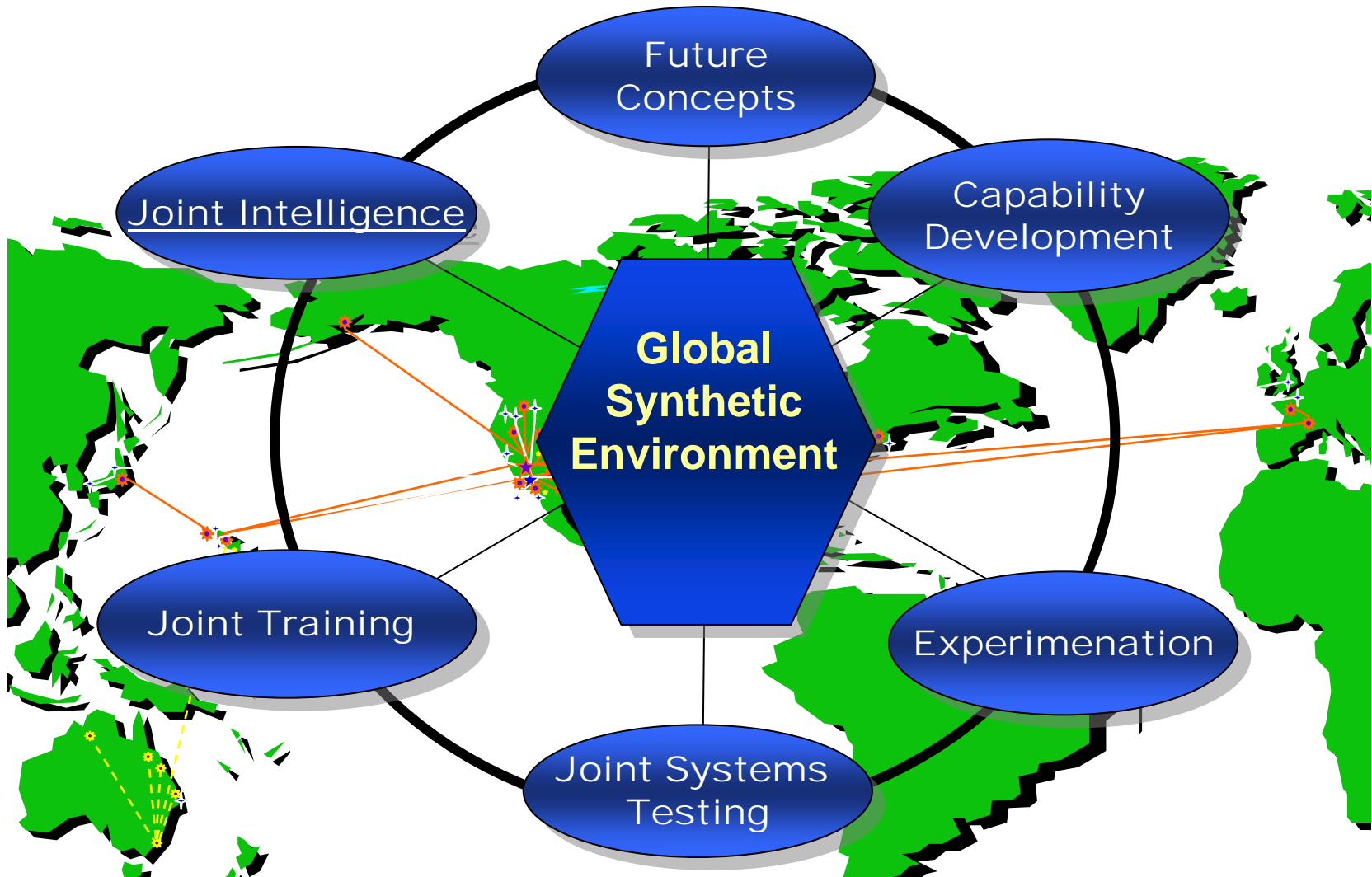
Global Synthetic Environment – Engine for Change



The Global Synthetic Environment enables realistic adaptive and agile experimentation, testing and training



FOC Global Synthetic Environment



FOC: A Single managed Live, Virtual Constructive Program Supporting all dimensions of joint warfighter capability development



Initial Conclusions

- ✓ Initial Study recommends J7 and J9 M&S Program Alignment under a single center with dual ownership under a board arrangement.
- ✓ Follow on study develop four areas of coordination for Initial Operating Capability (IOC) in 2008/2009:
 - Global Synthetic Environment evolutionary development and ops
 - Aligned Architecture and data strategy
 - Transformational M&S including High perf Computing
 - Aligned Technical Management Process
- ✓ Need to align activities now and improve through operational experience gained.

Improves USJFCOM position of leadership through M&S advocacy



Benefits

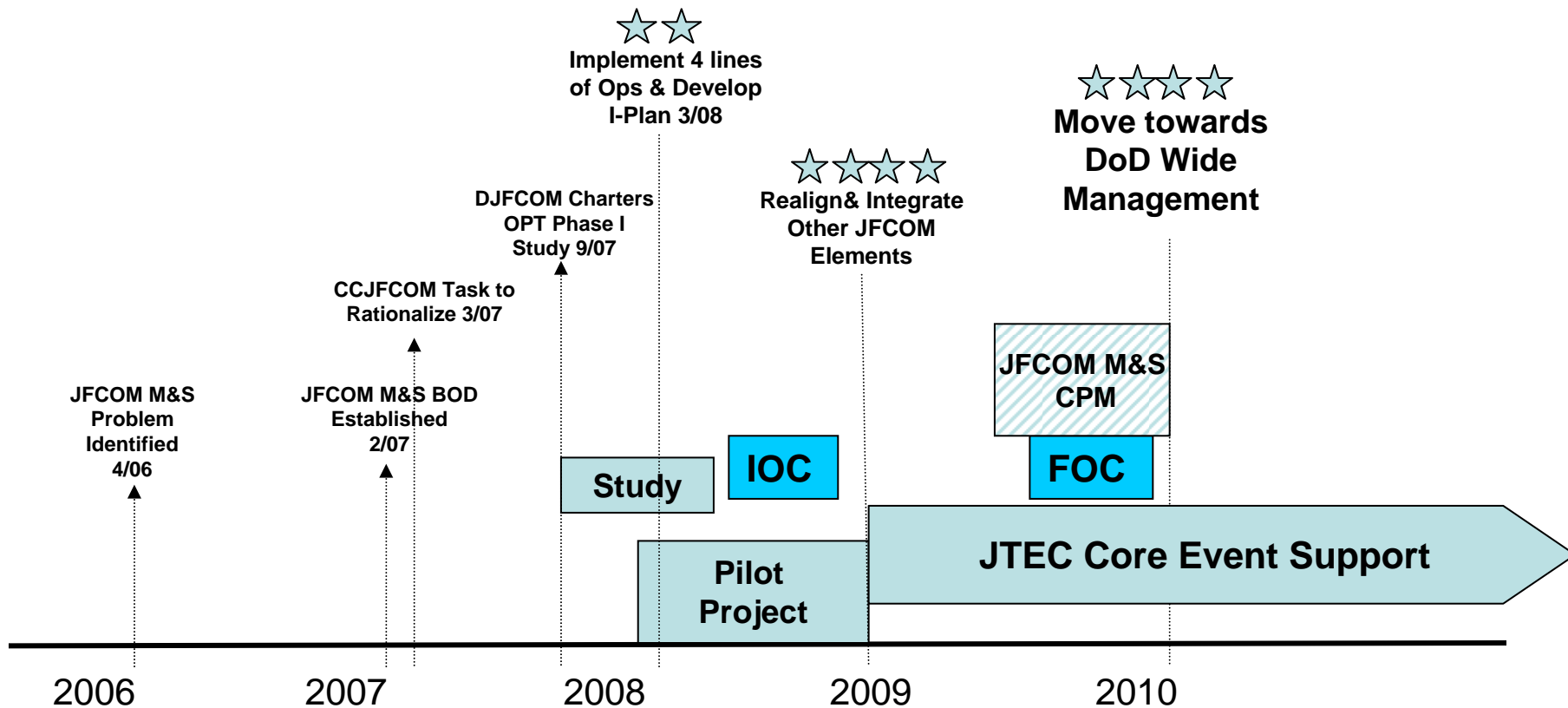
- ✓ **Improved M&S Capability**
 - **Irregular Warfare/Cyber/CBRNE/INTEL, etc**
- ✓ **Improved Operating Efficiency, one environment for Experimentation, Test and Training**
- ✓ **Improved ability to transition new capabilities to operational status**
- ✓ **Higher fidelity terrain**
- ✓ **More realistic representation**
- ✓ **Improved Management Leadership**



Plan and Activity Timeline



Decision Point



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Leading Transformation

Questions ?

